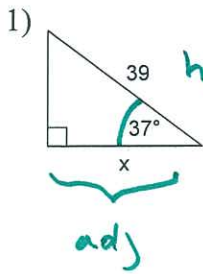


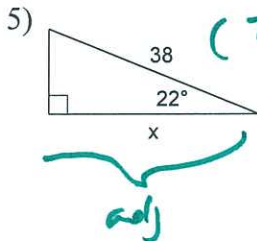
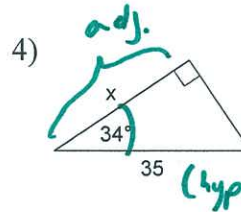
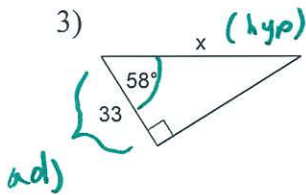
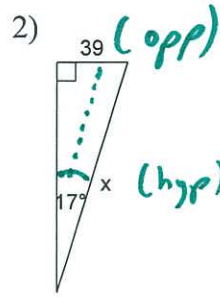
HW 67 Finding Missing Sides Using Trig

Date _____ Period _____

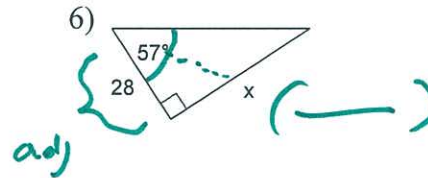
Indicate the trig function you would use to find the missing side.



Which TRIG FUNCTION
(sin/cos/or TAN)
HAS adj and
hyp in in?

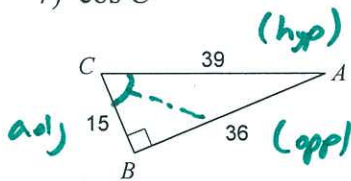


(This side is
across the
 90° it is
called the
adj)

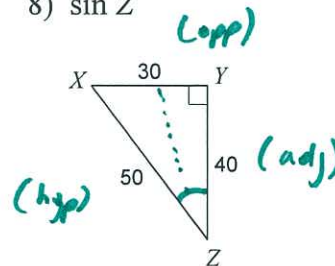


Find the value of each trigonometric ratio.

7) $\cos C$



8) $\sin Z$



S: sin

O: opp

H: hyp

C: cos

A: adj

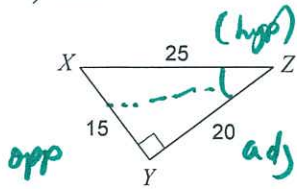
H: hyp

T: tan

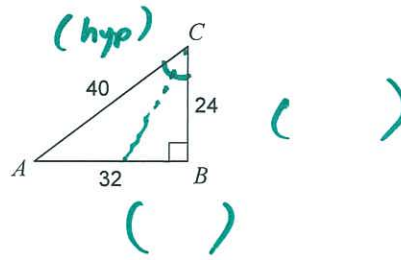
O: opp

A: adj

9) $\cos Z$

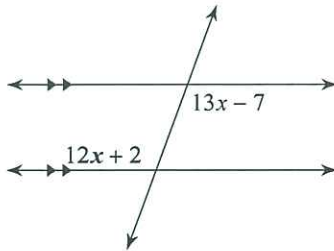


10) $\cos C$



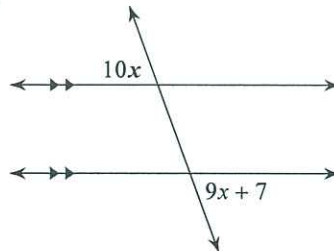
Find the measure of the angle indicated in bold.

11)



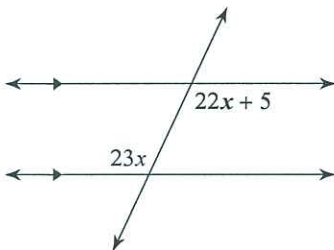
ALT INT L'S ARE = !

12)

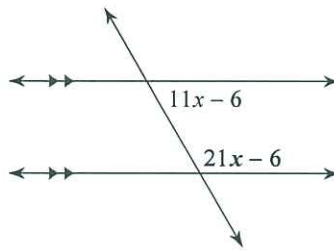


ALT EXT L'S ARE ?

13)



14)



CONSECUTIVE INT. L'S
ADD TO 180°

Find the circumference of each circle.

15) area = 49π mi²

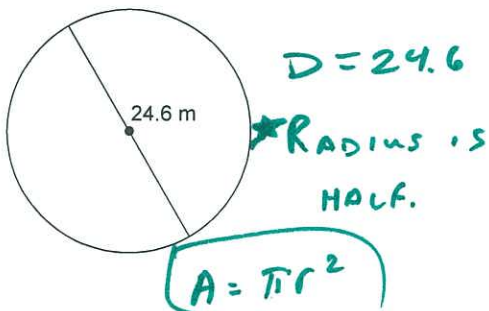
$C = 2\pi r$
 $A = \pi r^2$
 $49\pi = \pi r^2$

16) area = 36π cm²

$36\pi = \pi r^2$
1. SOLVE FOR R!
2. once you found R,

Find the area of each. Use your calculator's value of π . Round your answer to the nearest tenth.

17)



18)

